

U.S. Department of Commerce, Patent and Trademark Office

Application No.: 09/500,380

Filing date: February 8, 2000

Inventors: Kenneth E. Knapp et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Group Art Unit: ~~Unknown~~ 2652

Narrow Track Pole Tips for Electromagnetic Transducers

Examiner name: ~~Unknown~~ C. Rennev

Attorney Docket No. RR-1645

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
CAR	AA	5,459,099	10/17/95	Hsu	437	180	
CAR	AB	5,559,654	9/24/96	Das	360	126	
CAR	AC	5,621,596	4/15/97	Callahan Santini	360	126	
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED
 FEB 20 2001
 Technology Center 2100

Foreign Patent Documents

		Document	Date	Country	Class	Subclass	Translation	Yes	No
	AL								
	AM								

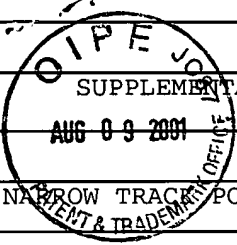
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CAR	AN	Karpov et al., "Patterning of Vertical Thin Film Emitters in Field Emission Arrays and their Emission Characteristics," 9 th International Vacuum Microelectronics Conference, St. Petersburg 1996, pp. 501-504.
CAR	AO	Tsutsumi et al., "Fabrication Technology of Ultrafine SiO ₂ Masks and Si Nanowires using Oxidation of Vertical Sidewalls of a Poly-Si Layer," Journal of Vacuum Science Technology B, Vol. 17, No. 1, Jan/Feb 1999, pp. 77-81.
CAR	AP	Ishi et al., "Highly Defined Narrow Track Write Heads Fabricated by Focused Ion Beam Trimming with the Al ₂ O ₃ Refilling Process," IEEE Transactions on Magnetics, Vol. 35, No. 5, September 1999, pp. 2541-2543.
CAR	AQ	Khizroev et al., "Recording Heads with Track Widths Suitable for 100 Gbit/in ² Density," IEEE Transactions on Magnetics, Vol. 35, No. 5, September 1999, pp. 2544-2546.
	AR	

Examiner *C. Rennev*

Date Considered 3-13-2002

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office		Application No.: 09/500,380
		Filing date: February 8, 2000
		Inventors: Kenneth E. Knapp et al.
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Group Art Unit: 2658 2652
NARROW TRACK POLE-TIPS FOR ELECTROMAGNETIC TRANSDUCERS		Examiner Name: Unknown E. Renner
		Attorney Docket No. RR-1645

U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date, If Appropriate
CAR	AA	6,043,960	3/28/00	Chang et al.	360	126	
CAR	AB	6,054,023	4/25/00	Chang et al.	204	192.2	
CAR	AC	6,111,724	8/29/00	Santini	360	126	
CAR	AD	6,172,848	1/9/01	Santini	360	126	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED
AUG 15 2001
Technology Center 2600

RECEIVED
AUG 13 2001
MAIL ROOM

Foreign Patent Documents

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	
	AR	

Examiner

E. Renner

Date Considered

3-13-2002

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.